

Annual Air Monitoring Plan Excerpts 2017



**Maine Department of Environmental Protection
Bureau of Air Quality
March 1, 2016**

National Ambient Air Quality Standards (NAAQS)

from: <http://www.epa.gov/air/criteria.html>
(as of March 2016)

| Pollutant [links to historical tables of NAAQS reviews] | | Primary/ Secondary | Averaging Time | Level | Form |
|---|-------------------|-----------------------|------------------------|---------------------------------------|---|
| Carbon Monoxide (CO) | | primary | 8 hours | 9 ppm | Not to be exceeded more than once per year |
| | | | 1 hour | 35 ppm | |
| Lead (Pb) | | primary and secondary | Rolling 3 month period | 0.15 µg/m ³ ⁽¹⁾ | Not to be exceeded |
| Nitrogen Dioxide (NO₂) | | primary | 1 hour | 100 ppb | 98th percentile of 1-hour daily maximum concentrations, averaged over 3 years |
| | | primary and secondary | 1 year | 53 ppb ⁽²⁾ | Annual Mean |
| Ozone (O₃) | | primary and secondary | 8 hours | 0.070 ppm ⁽³⁾ | Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years |
| Particle Pollution (PM) | PM _{2.5} | primary | 1 year | 12.0 µg/m ³ | annual mean, averaged over 3 years |
| | | secondary | 1 year | 15.0 µg/m ³ | annual mean, averaged over 3 years |
| | | primary and secondary | 24 hours | 35 µg/m ³ | 98th percentile, averaged over 3 years |
| | PM ₁₀ | primary and secondary | 24 hours | 150 µg/m ³ | Not to be exceeded more than once per year on average over 3 years |
| Sulfur Dioxide (SO₂) | | primary | 1 hour | 75 ppb ⁽⁴⁾ | 99th percentile of 1-hour daily maximum concentrations, averaged over 3 years |
| | | secondary | 3 hours | 0.5 ppm | Not to be exceeded more than once per year |

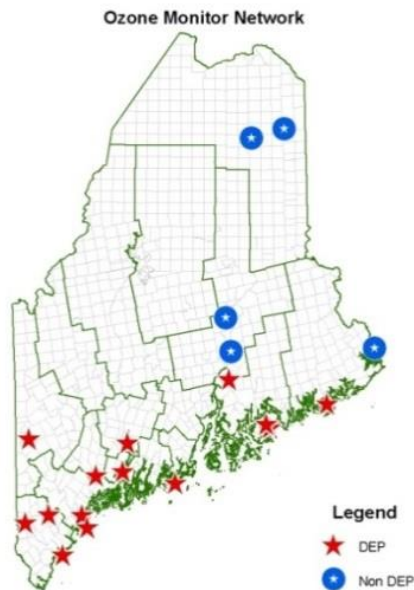
(1) In areas designated nonattainment for the Pb standards prior to the promulgation of the current (2008) standards, and for which implementation plans to attain or maintain the current (2008) standards have not been submitted and approved, the previous standards (1.5 µg/m³ as a calendar quarter average) also remain in effect.

(2) The level of the annual NO₂ standard is 0.053 ppm. It is shown here in terms of ppb for the purposes of clearer comparison to the 1-hour standard level.

(3) Final rule signed October 1, 2015, and effective December 28, 2015. The previous (2008) O₃ standards additionally remain in effect in some areas. Revocation of the previous (2008) O₃ standards and transitioning to the current (2015) standards will be addressed in the implementation rule for the current standards.

(4) The previous SO₂ standards (0.14 ppm 24-hour and 0.03 ppm annual) will additionally remain in effect in certain areas: (1) any area for which it is not yet 1 year since the effective date of designation under the current (2010) standards, and (2) any area for which implementation plans providing for attainment of the current (2010) standard have not been submitted and approved and which is designated nonattainment under the previous SO₂ standards or is not meeting the requirements of a SIP call under the previous SO₂ standards (40 CFR 50.4(3)). A SIP call is an EPA action requiring a state to resubmit all or part of its State Implementation Plan to demonstrate attainment of the required NAAQS.

Ozone Network



| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|---|------------------|----------------------------------|----------------------------------|
| Ashland - Loring AFB | CASTNet | Background | Continuous |
| Bar Harbor - McFarland Hill | NCore | Transport, Background | Continuous |
| Bar Harbor - Top of Cadillac Mountain | SLAMS | Transport | Continuous - Seasonal |
| Bowdoinham - Brown's Point Road | SLAMS | Max. Conc., Transport | Continuous - Seasonal |
| Bethel, Town Farm Road | SLAMS | Max. Conc., Transport | Continuous - Seasonal |
| Cape Elizabeth - Two Lights State Park | SLAMS | Transport | Continuous - Seasonal |
| Durham - Fire Station - Route 9 | SLAMS | Max. Concentration | Continuous - Seasonal |
| Gardiner - Pray Street, Schoolyard | SLAMS | Max. Conc., Transport | Continuous - Seasonal |
| Holden - Rider Bluff | SLAMS | Max. Conc., Transport | Continuous - Seasonal |
| Howland - Seed Orchard Site | CASTNet | Background | Continuous |
| Indian Island - Penobscot Nation | Tribal | - | Continuous |
| Jonesport - Public Landing | SLAMS | Max. Concentration | Continuous - Seasonal |
| Kennebunkport - Parsons Way | SLAMS | Max. Conc., Transport | Continuous - Seasonal |
| North Lovell - DOT Garage | SLAMS | Transport | Continuous - Seasonal |
| Perry - Pleasant Point/Sipayik, 184 County Road | Tribal | - | Continuous |
| Port Clyde - Marshall Point Lighthouse | SLAMS | Max. Conc., Transport | Continuous - Seasonal |
| Portland - Deering Oaks Park, 356 State St. | SPMS | High Pop. Exposure | Continuous |
| Presque Isle - 8 Northern Road | Tribal | - | Continuous |
| Shapleigh - Ball Park, West Newfield Road | SLAMS | Max. Conc., Transport | Continuous - Seasonal |
| West Buxton - Plains Road Fire Dept. | SLAMS | Transport | Continuous - Seasonal |

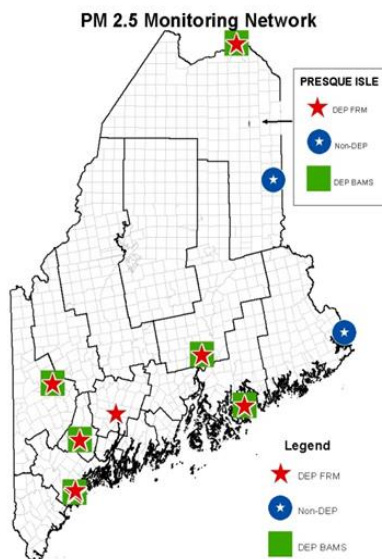
NCore - National Core; SLAMS - State & Local Air Monitoring Station; SPMS - Special Purpose Monitoring Station

PAMS Network



| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|--|-----------|----------------------|-----------------------|
| Bar Harbor - Top of Cadillac Mountain | PAMS | Transport | CLOSED September 2014 |
| Cape Elizabeth - Two Lights State Park | PAMS | Transport | Continuous - Seasonal |

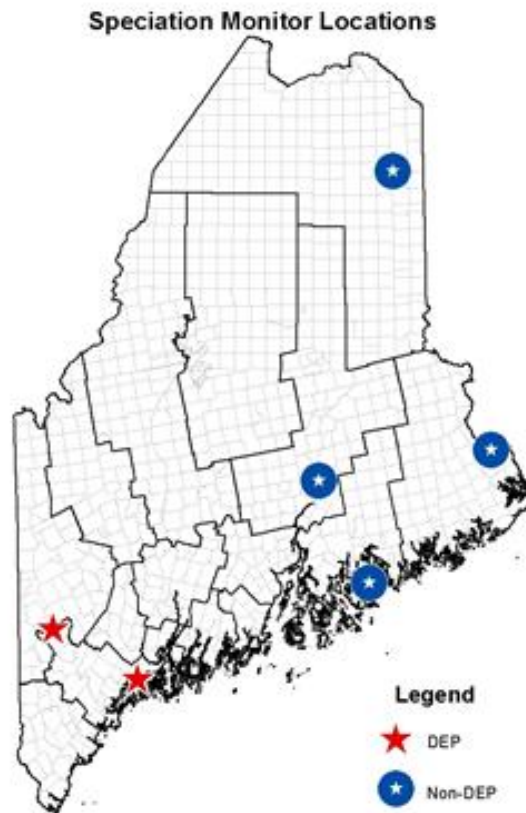
PM_{2.5} Network



| Site Address | Site Type | Monitoring Objective | Sampling Method and Frequency |
|---|-----------|-------------------------|-------------------------------|
| Augusta – Lincoln Street School | SLAMS | 200K Pop. Coverage | FRM, every 6 days |
| Augusta – Lincoln Street School | SLAMS | Collocated | FRM, every 12 days |
| Bangor – Kenduskeag Pump Station | SLAMS | AQI Forecasting/Mapping | FEM, continuous |
| Bangor – Kenduskeag Pump Station | SLAMS | 200K Pop. Coverage | FRM Dichot, every 6 days |
| Bangor – Kenduskeag Pump Station | SLAMS | Collocated | FRM Dichot, every 12 days |
| Bar Harbor – McFarland Hill | NCore | Transport | FRM, every 3 days |
| Bar Harbor – McFarland Hill | SLAMS | Mapping | FEM, continuous |
| Carrabassett Valley, Town Office | SLAM | Background | FEM, continuous |
| Lewiston – Country Kitchen Lot | SLAMS | 200K Pop. Coverage | FRM, every 6 days |
| Lewiston – Country Kitchen Lot | SLAMS | Mapping | FEM, continuous |
| Madawaska – Public Safety Bldg. | SLAMS | High Pop. Exposure | FRM, every 6 days |
| Madawaska – Public Safety Bldg. | SLAMS | AQI Forecasting/Mapping | FEM, continuous |
| Littleton | Tribal | Mapping | TEOM, continuous |
| Perry - Pleasant Point/Sipayik, 184 County Road | Tribal | Mapping | TEOM, continuous |
| Portland – 356 State Street | SLAMS | MSA of 200-500K | FEM, continuous |
| Portland – 356 State Street | SLAMS | MSA of 200-500K | FRM, every 3 days |
| Portland – 356 State Street | SLAMS | Collocated | FRM, every 12 days |
| Portland – 356 State Street | SLAMS | Mapping | FEM, continuous |
| Portland – Tukey's Bridge | SLAMS | High Traffic | FRM, every 6 days |
| Presque Isle – 8 Northern Road | Tribal | Mapping | FEM, continuous |
| Presque Isle – Regional Office | SLAMS | Background | FRM, every 3 days |
| Presque Isle – Riverside Street | SLAMS | AQI Forecasting/Mapping | FEM, continuous |
| Presque Isle – Riverside Street | SLAMS | 200K Pop. Coverage | FRM, every 6 days |
| Rumford – Rumford Avenue | SLAMS | AQI Forecasting/Mapping | FEM, continuous |
| Rumford – Rumford Avenue | SLAMS | High Pop. Exposure | FRM, every 6 days |

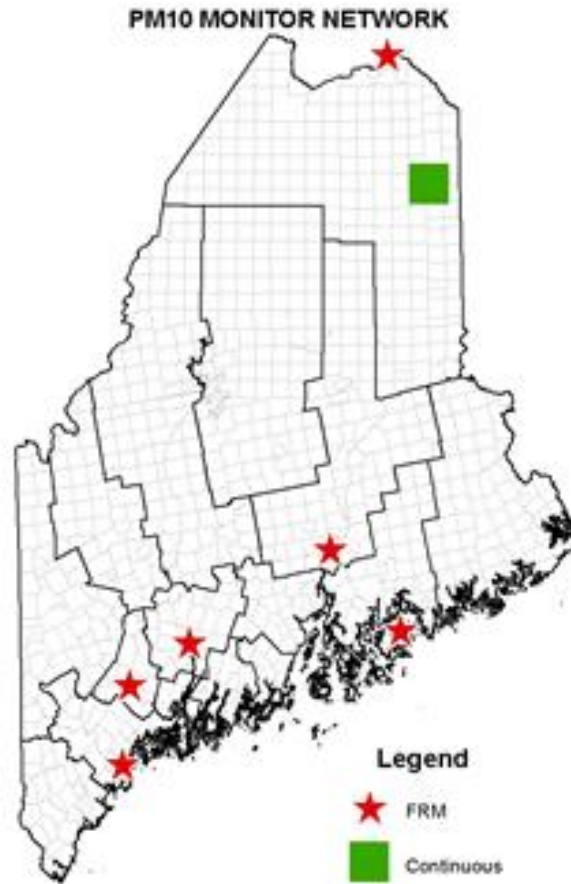
200K Pop. – 200,000 Population; AQI – Air Quality Index; MSA – Metropolitan Statistical Area

PM Speciation Network (IMPROVE)



| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|---------------------------------------|------------------|-----------------------|-------------------------|
| Bar Harbor – McFarland Hill | NPS/NCore | Regional Haze | Every 3 days |
| Baring – Moosehorn Wildlife Ref. | USFWS | Regional Haze | Every 3 days |
| Bridgton – Upper Ridge Rad | SLAMS | Background | Every 3 days |
| Freeport – Wolfe’s Neck Road | SLAMS | Deposition Project | Every 3 days |
| Indian Island – Penobscots | Tribal | - | Every 3 days |
| Presque Isle – 8 Northern Road | Tribal | - | Every 3 days |

PM₁₀ Network



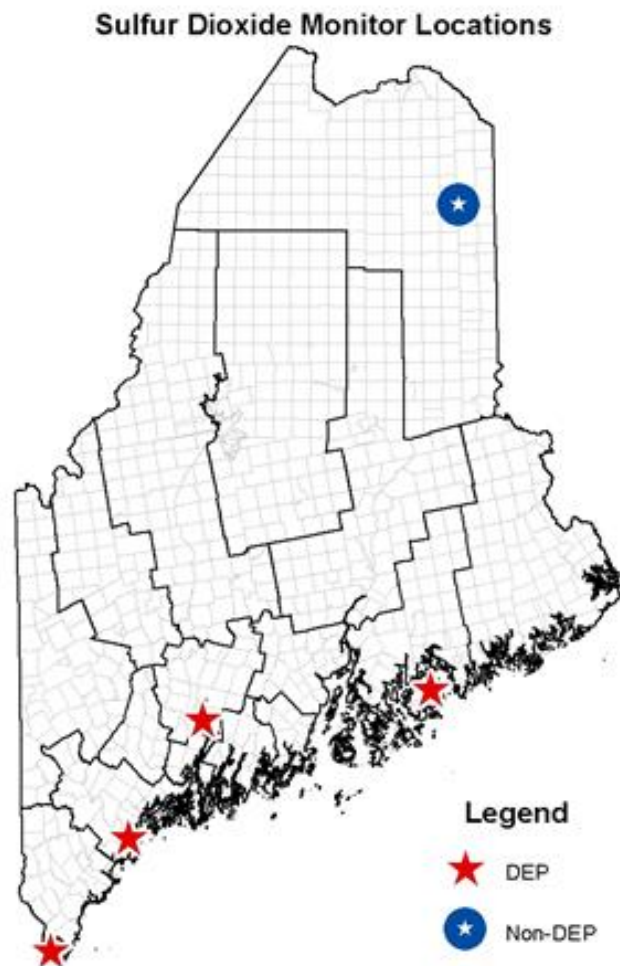
| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|---------------------------------|-----------|----------------------|---------------------------|
| Augusta – Lincoln Street School | SLAMS | High Pop. Exposure | FRM, every 6 days |
| Bangor – Kenduskeag Pump Sta. | SLAMS | High Pop. Exposure | FRM Dichot, every 6 days |
| Bangor – Kenduskeag Pump Sta. | SLAMS | Collocated | FRM Dichot, every 12 days |
| Bar Harbor – McFarland Hill | NCore | Background | FRM, every 3 days |
| Lewiston – Country Kitchen Lot | SLAMS | High Pop. Exposure | FRM, every 6 days |
| Madawaska – Public Safety Bldg. | SLAMS | High Pop. Exposure | FRM, every 3 days |
| Portland – Tukey’s Bridge | SLAMS | Maximum Conc. | FRM, every 6 days |
| Portland – Tukey’s Bridge | SLAMS | Collocated | FRM, every 12 days |
| Presque Isle – Riverside Street | SLAMS | High Pop. Exposure | TEOM, continuous |

PM_{Coarse} Network

Required PM_{Coarse} or PM_{10-2.5} measurements at the NCore site in Bar Harbor are obtained by the difference method. At that site two FRM samplers collect PM₁₀ and PM_{2.5} data respectively, and the difference between the two concentrations is reported as PM_{10-2.5}. PM_{Coarse} data, utilizing the difference method, could also be calculated from the data at sites in Madawaska, Augusta and Portland where simultaneous PM₁₀ and PM_{2.5} data are being collected.

| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|-------------------------------|------------------|-----------------------------|---------------------------|
| Bangor – Kenduskeag Pump Sta. | SLAMS | High Pop. Exposure | FRM Dichot, every 6 days |
| Bar Harbor – McFarland Hill | NCore | Background | FEM, every 3 days |

Sulfur Dioxide Network



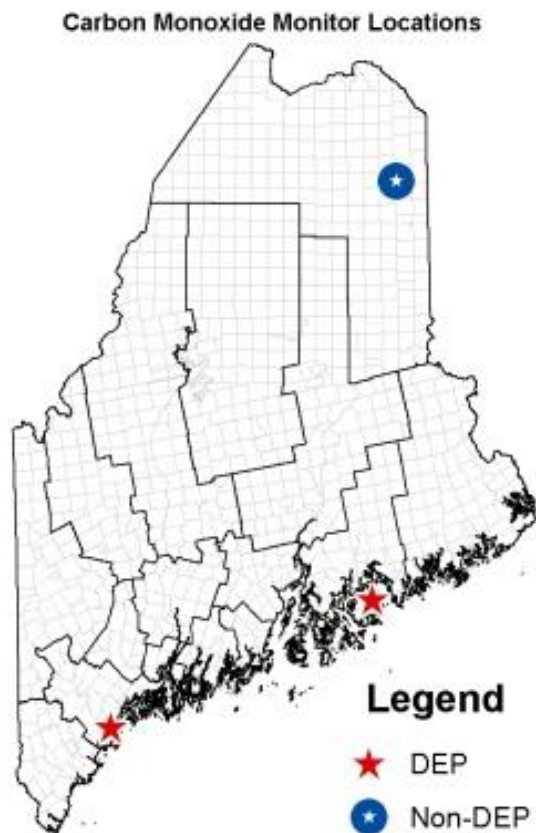
| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|------------------------------------|-----------|----------------------|--------------------|
| Bar Harbor – McFarland Hill | NCore | Background | Continuous |
| Eliot – Sawgrass Lane | SPMS | Max. Concentration | Continuous |
| Gardiner – Pray Street, Schoolyard | SLAMS | Background | Continuous |
| Portland – 356 State Street | SLAMS | High Pop. Exposure | Continuous |
| Presque Isle – 8 Northern Road | Tribal | - | Continuous |

Nitrogen Oxides Network (NO₂, NO_x, NO, NO_y)



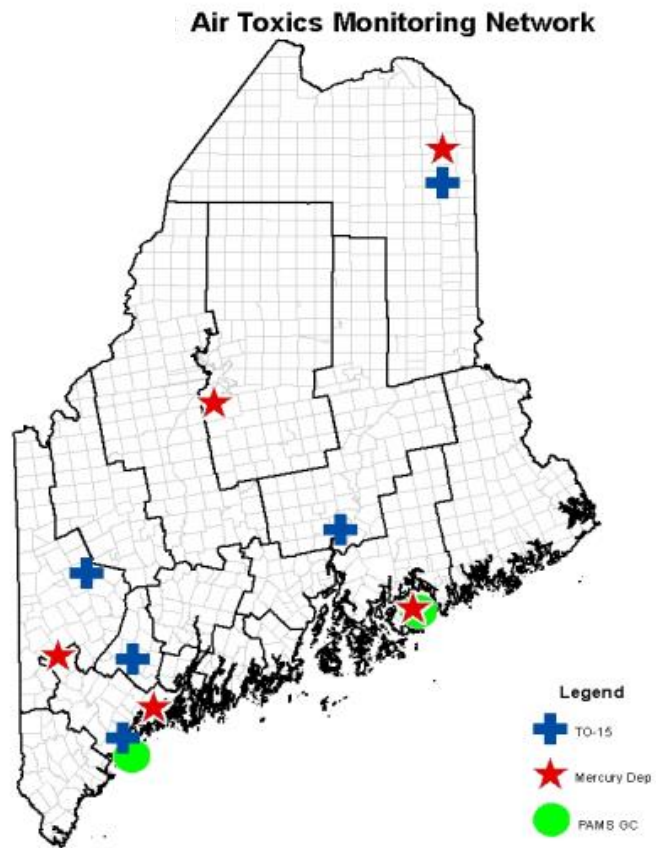
| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|---|-----------|---|--------------------|
| Portland – Deering Oaks (NO ₂) | SPMS | Maximum Concentration, Urban Background | Continuous |
| Bar Harbor – McFarland Hill (NO _y) | NCore | Transport (trace-level) | Continuous |
| Cape Elizabeth – Two Lights State Park (NO _y) | PAMS | Transport (trace-level) | Continuous |
| Gardiner – Pray Street, Schoolyard (NO ₂) | SPMS | Background | Continuous |
| Presque Isle – 8 Northern Road (NO ₂) | Tribal | (trace-level) | Continuous |

Carbon Monoxide Network



| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|--------------------------------|-----------|----------------------|--------------------|
| Bar Harbor – McFarland Hill | NCore | Transport | Continuous |
| Portland – 356 State Street | SPMs | High Pop. Exposure | Continuous |
| Presque Isle – 8 Northern Road | Tribal | - | Continuous |

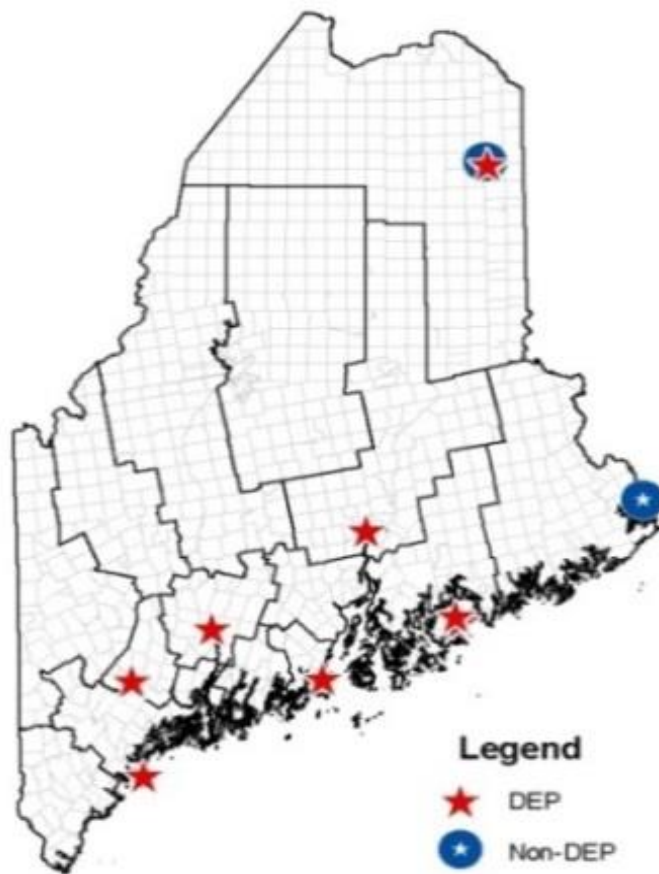
Hazardous Air Pollutants (HAPs) Network



| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|----------------------------------|-----------|----------------------|--------------------|
| Bangor – Kenduskeag Pump Sta. | SPMS | Maximum Conc. | Every 6 days |
| Cape Elizabeth – Two Lights Park | PAMS | Maximum Conc. | Every 6 days |
| Lewiston – Country Kitchen Lot | SPMS | Maximum Conc. | Every 6 days |
| Portland – 356 State Street | SPMS | Maximum Conc. | Every 6 days |
| Presque Isle – Riverside Street | SPMS | Maximum Conc. | Every 6 days |
| Rumford – Rumford Avenue | SPMS | Maximum Conc. | Every 6 days |

Meteorological Network

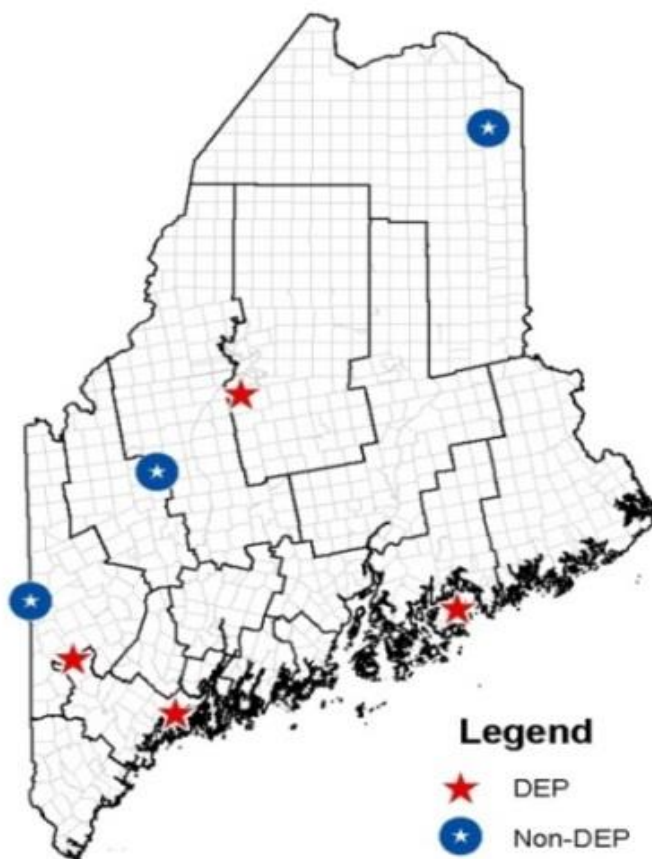
Meteorological Network



| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|--------------------------------------|--------------|----------------------|-----------------------|
| Auburn – L/A Airport | SLAMS | Data Analyses | Continuous |
| Augusta – State Airport | SLAMS | Data Analyses | Continuous |
| Bangor – Air National Guard | SLAMS | Data Analyses | Continuous |
| Bar Harbor – Cadillac Mountain | SLAMS | Transport | Continuous – Seasonal |
| Bar Harbor – McFarland Hill | NCore | Transport | Continuous |
| Cape Elizabeth – Two Lights Park | PAMS | Transport | Continuous |
| Owls Head – Municipal Airport | SLAMS | Data Analyses | Continuous |
| Presque Isle – Regional Office | SLAMS | Data Analyses | Continuous |
| Presque Isle – 8 Northern Road | Tribal | - | Continuous |
| Sipiyak – 184 County Road | Tribal | - | Continuous |

Atmospheric Deposition Network

Atmospheric Deposition Network



| Site Address | Site Type | Monitoring Objective | Sampling Frequency |
|---|-----------|----------------------|--------------------|
| Bridgton – Upper Ridge Road (NTN and MDN) | SPMS | Transport/Trends | Weekly Composite |
| Caribou – Airport (NTN and MDN) | SPMS | Transport/Trends | Weekly Composite |
| Freeport – Wolfe’s Neck Farm (NTN and MDN) | SPMS | Transport/Trends | Weekly Composite |
| Greenville – Squaw Brook (NTN and MDN) | SPMS | Transport/Trends | Weekly Composite |
| Bar Harbor – McFarland Hill (NTN and MDN) | NPS-SPMS | Transport/Trends | Weekly Composite |
| Carrabassett Valley – Airport (NTN and MDN) | Tribal | Transport/Trends | Weekly Composite |
| Gilead – White Mtn. Nat’l. Forest | USGS | Transport/Trends | Weekly Composite |

Lead Network

N/A

Proposed Calendar Year 2017 Network Changes

Monitoring Equipment Used by Maine DEP

| PARAMETER | INSTRUMENT | METHOD* |
|---|---|---|
| Atmospheric Deposition | Aerochem Metrics wet/dry collector | |
| Barometric Pressure | Climatronics Met One | |
| Carbon Monoxide | Thermo Model 48C, 48i, 48iTLE Teledyne API Model T300 | RFCA-0981-054 RFCA-1093-093 |
| Hazardous Air Pollutants | Xontech 910A | |
| Lead | R&P Sequential Model 2025 R&P Single Model 2000 Thermo Dichot Model 2025D Spectro XEPOS XRF Spectrometer | |
| Mercury Deposition | Aerochem Metrics N-CON Wet Deposition collector | |
| Nitrogen Dioxide | Thermo Model 42C, 42i | RFNA-1289-074 |
| Organic/Elemental Carbon | Sunset Semicontinuous OC/EC Carbon Aerosol Analyzer | |
| Other Metals such as Arsenic, Chromium, etc. | R&P Sequential Model 2025 R&P Single Model 2000 Thermo Dichot Model 2025D Spectro XEPOS XRF Spectrometer | |
| Oxides of Nitrogen | Thermo Model 42iY | |
| Ozone | Thermo Models 49C, 49i Teledyne API Model T400 | EQOA-0880-047 EQOA-0992-087 |
| PM 10 Continuous | R&P TEOM Model 1400AB | EQPM-1090-079 |
| PM 10 FRM | R&P/Thermo Sequential Model 2025 R&P/Thermo Single Model 2000 Thermo Dichot Model 2025 D | RFPS-1298-127 RFPS-1298-126 None 785 |
| PM 2.5 Continuous | R&P/Thermo TEOM Model 1400AB MET One BAM Model 1020 | - EQPM-0308-170 |
| PM 2.5 FRM | R&P/Thermo Sequential Model 2025 R&P/Thermo Single Model 2000 Thermo Dichot Model 2025D | RFPS-0498-118 RFPS-1006-145 RFPS-0498-117 RFPS-1006-143 EQPS-0509-179 |
| PM Coarse | Thermo Dichot Model 2025D Difference Method PM10-PM2.5 | EQPS-0509-180 RFPS-0509-176 |
| PM Speciation | IMPROVE Sampler | |
| Precipitation | ETI Instrument Systems NOAH IV | |
| Relative Humidity | Climatronics Met One | |
| Solar Radiation | Climatronics Met One | |
| Sulfate Continuous | Thermo Model 5020 | |
| Sulfur Dioxide | Thermo Model 43C, 43C-TLE, 43i, 43i- TLE Teledyne API Model T100 | EQSA-0486-060 EQSA-0495-100 |
| Temperature | Climatronics Met One | |
| Total PAH | Ecochem PAS 2000 | |
| VOC's (PAMS) | Perkin Elmer Clarus 580 | |
| Wind Speed/Direction | Climatronics F460 Met One | |

* Designated Reference and Equivalent Methods as of July 1, 2014.

Integrated Sampler Schedule

2016

| JANUARY | | | | | | |
|---------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

| FEBRUARY | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | | | | | |

| MARCH | | | | | | |
|-------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

| APRIL | | | | | | |
|-------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

| MAY | | | | | | |
|-----|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

| JUNE | | | | | | |
|------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |

| JULY | | | | | | |
|------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

| AUGUST | | | | | | |
|--------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

| SEPTEMBER | | | | | | |
|-----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

| OCTOBER | | | | | | |
|---------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

| NOVEMBER | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

| DECEMBER | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

1 in 12, 1 in 6, and 1 in 3 sample dates

1 in 6 and 1 in 3 sample dates

1 in 3 sample dates

State Holiday

Integrated Sampler Schedule

2017

| JANUARY | | | | | | |
|---------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

| FEBRUARY | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | | | | |

| MARCH | | | | | | |
|-------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

| APRIL | | | | | | |
|-------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

| MAY | | | | | | |
|-----|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

| JUNE | | | | | | |
|------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

| JULY | | | | | | |
|------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |


| AUGUST | | | | | | |
|--------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |


| SEPTEMBER | | | | | | |
|-----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |


| OCTOBER | | | | | | |
|---------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

| NOVEMBER | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |

| DECEMBER | | | | | | |
|----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

 1 in 12, 1 in 6 and 1 in 3 sample dates

 1 in 6 and 1 in 3 sample dates

 1 in 3 sample dates

 State Holiday

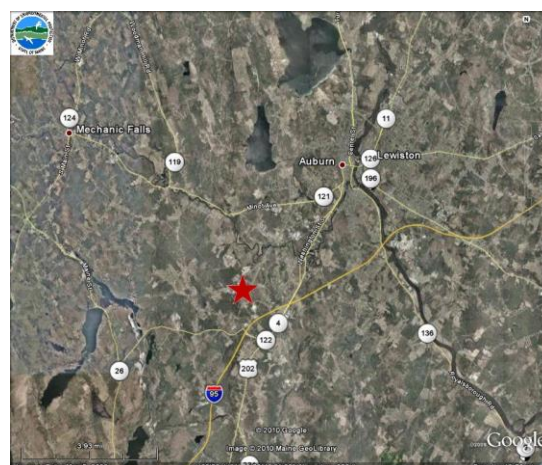
Monitoring Site Information

The following pages present descriptions of the ambient air monitoring sites maintained and operated by both the Maine Department of Environmental Protection Bureau of Air Quality and the Tribal Nations. The pages are sorted alphabetically by Town – Site Name. This table offers an index to the site descriptions based on AQS Site ID's.

| AQS Site ID | Town - Site | County | Page # |
|-------------|--|--------------|--------|
| 23-001-0005 | Auburn – Lewiston-Auburn Airport | Androscoggin | 17 |
| 23-001-0011 | Lewiston – Country Kitchen Parking Lot | Androscoggin | 37 |
| 23-001-0014 | Durham – Fire Station | Androscoggin | 28 |
| 23-003-0014 | Madawaska – Public Safety Bldg | Aroostook | 38 |
| 23-003-1002 | Caribou – Caribou Airport | Aroostook | 27 |
| 23-003-1008 | Presque Isle – DEP Regional Office | Aroostook | 44 |
| 23-003-1011 | Presque Isle – Riverside St. | Aroostook | 45 |
| 23-003-1100 | Micmac Tribe -- Presque Isle Shelter | Aroostook | 49 |
| 23-005-0002 | Bridgton | Cumberland | 25 |
| 23-005-0015 | Portland – Tukey's Bridge | Cumberland | 43 |
| 23-005-0029 | Portland – Deering Oaks Park | Cumberland | 42 |
| 23-005-2003 | Cape Elizabeth – Two Lights Park | Cumberland | 26 |
| 23-005-9002 | Freeport – Wolfes Neck Farm | Cumberland | 30 |
| 23-009-0102 | Bar Harbor – Cadillac Mountain, Acadia National Park | Hancock | 22 |
| 23-009-0103 | Bar Harbor – McFarland Hill, Acadia National Park | Hancock | 23 |
| 23-011-0008 | Augusta – Civil Air Patrol Hanger | Kennebec | 18 |
| 23-011-0016 | Augusta – Lincoln Street School | Kennebec | 19 |
| 23-011-2005 | Gardiner – Pray Street, Schoolyard | Kennebec | 31 |
| 23-013-0004 | Port Clyde – Marshall Point Lighthouse | Knox | 41 |
| 23-013-0014 | Owls Head – Municipal Airport | Knox | 40 |
| 23-017-2011 | Rumford – Rumford Ave. Parking Lot | Oxford | 46 |
| 23-017-3001 | North Lovell – DOT Garage | Oxford | 39 |
| 23-019-0002 | Bangor – Kenduskeag Pump Station | Penobscot | 21 |
| 23-019-0010 | Bangor – Airport | Penobscot | 20 |
| 23-019-1100 | Penobscot Nation - Indian Island | Penobscot | 52 |
| 23-019-4008 | Holden – Rider's Bluff | Penobscot | 33 |
| 23-021-0001 | Greenville | Piscataquis | 32 |
| 23-023-0006 | Bowdoinham – Merrymeeting Bay | Sagadahoc | 24 |
| 23-029-0019 | Jonesport – Public Landing | Washington | 35 |
| 23-029-0032 | Passamaquoddy Tribe -- Perry, Pleasant Point/Sipiyak | Washington | 51 |
| None | Passamaquoddy Tribe -- Indian Township | Washington | 50 |
| 23-031-0009 | Eliot - Sawgrass Lane | York | 29 |
| 23-031-0038 | Hollis/West Buxton – Fire Department | York | 34 |
| 23-031-0040 | Shapleigh – Shapleigh Ball Park | York | 47 |
| 23-031-2002 | Kennebunkport – Parson's Way | York | 36 |

Town – Site: **Auburn – Lewiston-Auburn Airport**
 County: **Androscoggin**
 Address: **Lewiston Junction Rd.**
 AQS Site ID: **23-001-0005**
 Spatial Scale: **Regional**
 Statistical Area: **Lewiston-Auburn, ME**

Latitude: **44.0457**
 Longitude: **-70.2902**
 Elevation: **79 meters**
 Year Established: **1978**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 10/18/1978 | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located in a light industrial park located 4 ½ miles southwest of downtown Auburn. Wind Speed and Direction sensors are mounted on a 10-meter retractable tower located on the roof of a maintenance equipment shed at the Auburn-Lewiston Municipal Airport. A data acquisition system and modem are located in a storage room within the equipment shed.

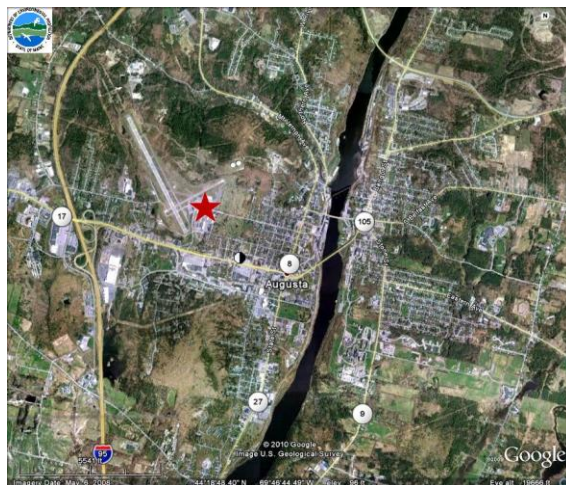
Monitoring Objectives:

Hourly averaged wind speed and wind direction, combined with other climatological data obtained from the NOAA National Weather Service, are useful in modeling trajectories of air masses.

Planned changes for 2016: None planned

Town – Site: **Augusta – Civil Air Patrol Hanger**
 County: **Kennebec**
 Address: **Augusta State Airport**
 AQS Site ID: **23-011-0008**
 Spatial Scale: **Regional**
 Statistical Area: **Augusta-Waterville, ME**

Latitude: **44.3179**
 Longitude: **-69.7919**
 Elevation: **107 Meters**
 Year Established: **1981**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 01/20/1981 | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

A 10-meter retractable tower with wind speed direction sensors is situated on the roof of the Civil Air Patrol hanger at the Augusta State Airport, 0.8 miles NW of the state capitol. The data acquisition equipment and modem are located in the adjacent equipment shed to the west.

Monitoring Objectives:

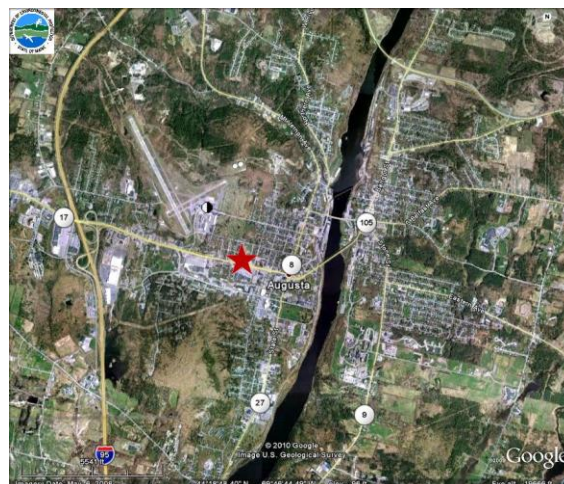
Hourly averaged wind speed and wind direction, combined with other climatological data obtained from the NOAA National Weather Service, are useful in modeling trajectories of air masses.

Planned changes for 2016:

Sometime in the near future the Airport plans to rebuild the Civil Air Patrol hanger. Building plans have not been finalized nor shared with DEP, so future use of the site as a Meteorological Station is uncertain.

Town – Site: **Augusta – Lincoln Street School**
 County: **Kennebec**
 Address: **30 Lincoln Street**
 AQS Site ID: **23-011-0016**
 Spatial Scale: **Neighborhood**
 Statistical Area: **Augusta-Waterville, ME**

Latitude: **44.3123**
 Longitude: **-69.7867**
 Elevation: **71 Meters**
 Year Established: **1999**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 01/01/1999 | | SO ₂ | | |
| PM2.5 Colo | 01/01/1999 | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | 12/02/2002 | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Lincoln Street School is located in Augusta just off Western Avenue, 0.4 miles northwest of the state capitol. A wooden platform is situated on the roof of the gymnasium. Particulate monitors are attached to the platform.

Monitoring Objectives:

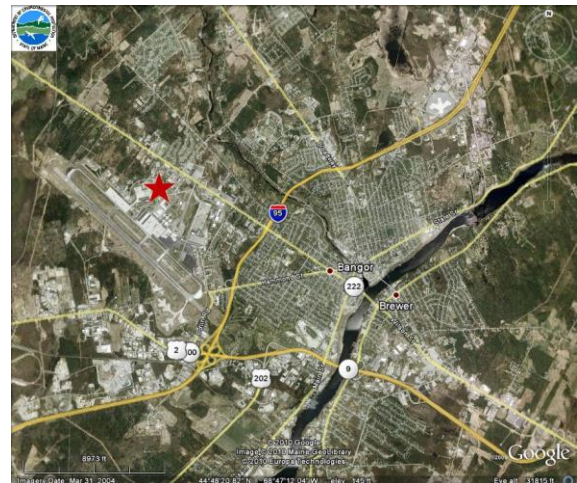
SLAMS – State and Local Air Monitoring Station

Planned changes for 2016:

The platform was recently refurbished and the electrical distribution system is scheduled for repairs in the coming months.

Town – Site: **Bangor -- Airport**
 County: **Penobscot**
 Address: **BIA Bldg. 489, Bangor Airport**
 AQS Site ID: **23-019-0010**
 Spatial Scale: **Urban/Regional**
 Statistical Area: **Bangor, ME**

Latitude: **44.8166**
 Longitude: **-68.8204**
 Elevation: **50 Meters**
 Year Established: **1987**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 6-1-1987 | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Tower and sensors are located on the roof of building 489 on the Air National Guard Base at Bangor International Airport. The area is very open with some large aircraft hangars to the northwest of the tower at sufficient distance so as to not cause any interference. This is an urban to regionally representative site for meteorology.

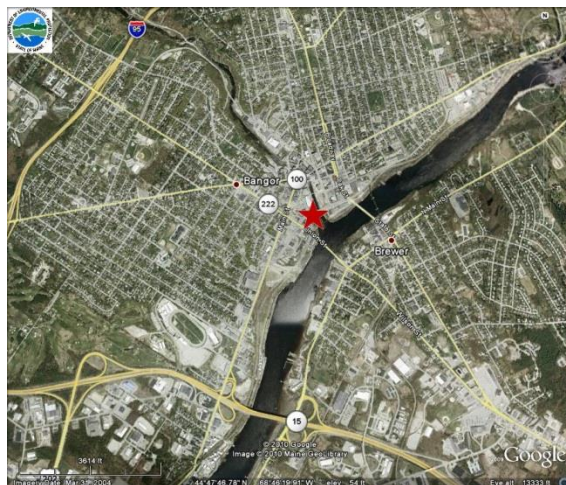
Monitoring Objectives:

Wind data is collected to use in analysis of air pollutant data in the Bangor area. Hourly averaged wind speed and wind direction, combined with other climatological data obtained from the NOAA National Weather Service, are useful in modeling trajectories of air masses.

Planned changes for 2016:

None planned

Town – Site: **Bangor – Kenduskeag Pump Station**
 County: **Penobscot** Latitude: **44.7989**
 Address: **Washington Street** Longitude: **-68.7697**
 AQS Site ID: **23-019-0002** Elevation: **10 Meters**
 Spatial Scale: **Neighborhood** Year Established: **1977**
 Statistical Area: **Bangor, ME**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 1-1-1999 | | SO ₂ | 1-1-1986 | 7-1-1987 |
| PM2.5 Colo | 12-1-1999 | 12-29-2003 | Ozone | | |
| PM2.5 TEOM | 1-1-2007 | 12-30-2013 | NO _x | | |
| PM2.5 BAM | 2-7-2014 | | NO _y | | |
| PM10 FRM | 1-1-2003 | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | 2-12-2004 | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | 2-7-2014 | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | 1-1-1978 | 10-1-1992 | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Monitors are located on the roof of a pumping station building for the Bangor treatment plant. It is located on the shore of the Kenduskeag Stream near the Penobscot River and sits in the bowl of downtown Bangor. The site was originally established to help define the extent of the particulate problems in Bangor. The pump station roof was replaced, and a new sampler platform was installed in December 2013. The Bureau operates two, collocated, Dichotomous samplers to provide PM_{2.5}, PM₁₀ and PM_{coarse} measurements.

Monitoring Objectives:

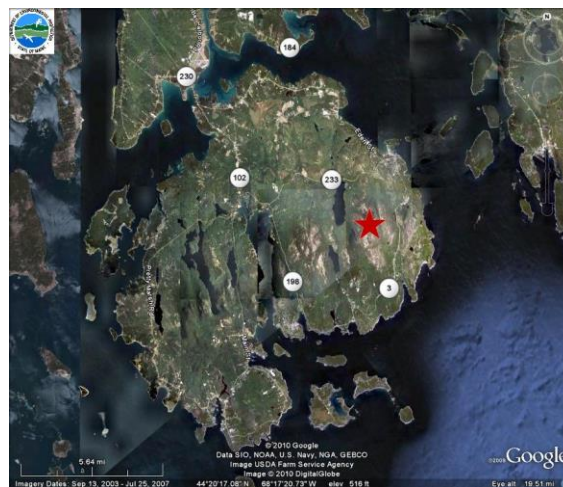
Site was located to pick up maximum concentrations in the downtown area of Bangor.

Planned changes for 2016:

None planned

Town – Site: **Bar Harbor – Cadillac Mountain, Acadia National Park**
 County: **Hancock**
 Address: **Top of Cadillac Mountain**
 AQS Site ID: **23-009-0102**
 Spatial Scale: **Regional**
 Statistical Area: **None**

Latitude: **44.3517**
 Longitude: **-68.2272**
 Elevation: **463 M (1519 ft)**
 Year Established: **1995**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 7-25-1995 | |
| PM2.5 TEOM | | | NO _x | 4-1-2004 | 9-30-2007 |
| PM10 FRM | | | NO _y | 1-1-2008 | 9-30-2014 |
| PM2.5 BAM | | | VOCs (PAMS) | 5-1-1996 | 9-30-2014 |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 5-6-1996 | |
| IMPROVE | | | Outdoor Temperature | 4-19-1996 | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | 4-19-1996 | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | 4-1-2002 | 10-1-2003 | UV-b Radiation | | |

Site Description:

Site established as a PAMS site from 1995 to 2014. Located on the top of Cadillac Mountain in Acadia National Park. This is now a seasonal ozone site operating during the months of April to October.

Monitoring Objectives:

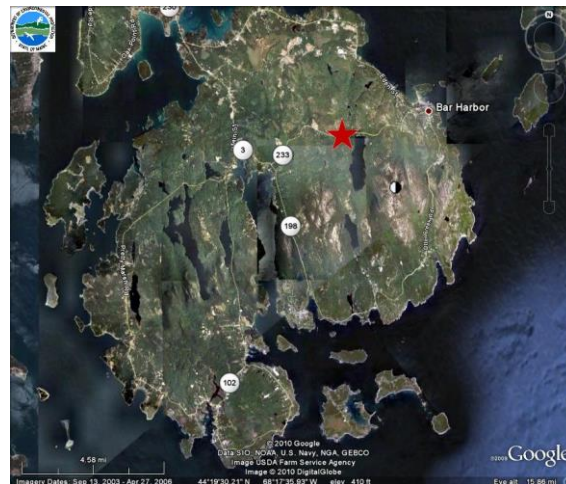
Site was established to monitor long-range transport of ozone precursors from urban and industrial non-attainment areas to the southwest. It remains in operation to monitor high altitude ozone concentrations associated with interstate transport.

Planned changes for 2016:

None planned

Town – Site: **Bar Harbor – McFarland Hill, Acadia National Park**
 County: **Hancock**
 Address: **Route 233**
 AQS Site ID: **23-009-0103**
 Spatial Scale: **Regional**
 Statistical Area: **None**

Latitude: **44.3771**
 Longitude: **-68.2609**
 Elevation: **156 Meters**
 Year Established: **1998**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 1-1-1999 | | SO ₂ | 2-1-2004 | |
| PM2.5 Colo | | | Ozone | 2-1-1998 | |
| PM2.5 TEOM | 10-1-2003 | 10-30-2013 | NO _x | | |
| PM2.5 BAM | 11-12-2013 | | NO _y | 2-1-2004 | |
| PM10 FRM | 1-1-2010 | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | 1998 | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | 1998 | |
| PM Coarse | 1-1-2010 | | Wind Direction/Speed | 2-1-1998 | |
| IMPROVE | 3-2-1988 | | Outdoor Temperature | 2-1-1998 | |
| Cont. OC/EC | 6-29-2004 | | Bar. Pressure | | |
| Cont. Sulfate | 6-26-2004 | | Relative Humidity | 2-1-1998 | |
| Black Carbon | 2004 | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | 2-1-1998 | |
| Lead | | | Solar Radiation | 2-1-1998 | |
| CO | 2-1-2004 | | UV-b Radiation | | |

Site Description:

Site is located in a field on the side of McFarland Hill in Bar Harbor. Site slopes to the south/southeast with the hill rising to the north. The site was established by the National Park Service but has since grown to include a variety of monitors for EPA programs, special studies such as the Rural Aerosol Intensive Network and most recently has received approval as the NCore site for Maine. Monitoring at this site is a joint effort between the NPS and the Maine DEP.

Monitoring Objectives:

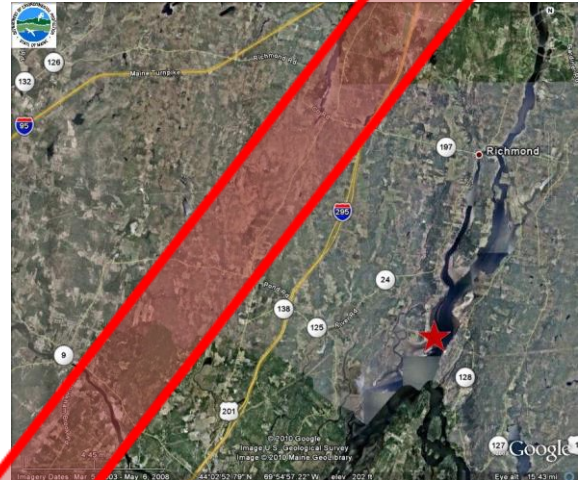
This is a regional scale site operated to determine background levels, transport and for use in the mapping programs to forecast the air quality index.

Planned changes for 2016:

Maine DEP and the National Park Service are working cooperatively to replace the two overcrowded and aging shelters at the location with a single structure constructed to meet all current requirements with some extra capacity for future efforts.

Town Site: **Bowdoinham – Merrymeeting Bay**
 County: **Sagadahoc**
 Address: **Brown's Point**
 AQS Site ID: **23-023-0006**
 Spatial Scale: **Regional**
 Statistical Area: **Portland-Lewiston-South Portland**

Latitude: **44.0050**
 Longitude: **-69.8278**
 Elevation: **3 meters**
 Year Established: **2008**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 05/08/2008 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip. Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located on the unimproved property of Mr. Alan Kelley, adjacent to 598 Brown's Point Road in Bowdoinham, approximately 32 miles northeast of Portland. An ozone sampler, data acquisition system and modem are located inside an environmentally controlled 8'x8'x8' shelter.

Monitoring Objectives:

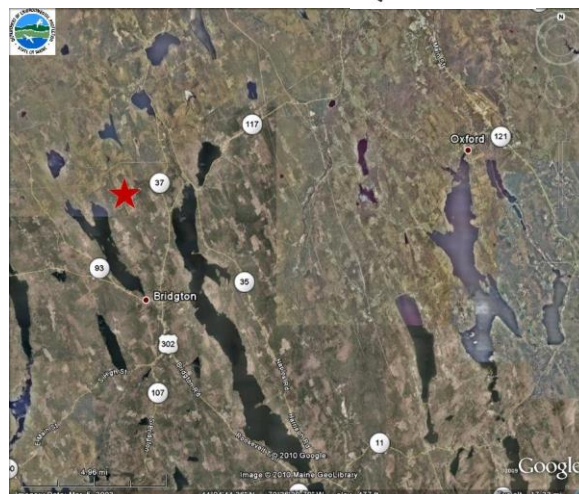
Maximum ozone concentration

Planned changes for 2016:

Relocation of this monitor is possible if an acceptable site can be found closer to the coast, south of Phippsburg.

Town – Site: **Bridgton**
 County: **Cumberland**
 Address: **Upper Ridge Road**
 AQS Site ID: **23-005-0002**
 Spatial Scale: **Regional**
 Statistical Area: **Portland-South Portland-Biddeford, ME**

Latitude: **44.1074**
 Longitude: **-70.7290**
 Elevation: **223 meters**
 Year Established: **1980**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | 6-3-1997 | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | 1-1-1980 | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | 3-14-2001 | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Site is located on a ridge in an open field area just off the Upper Ridge Road.

Monitoring Objectives:

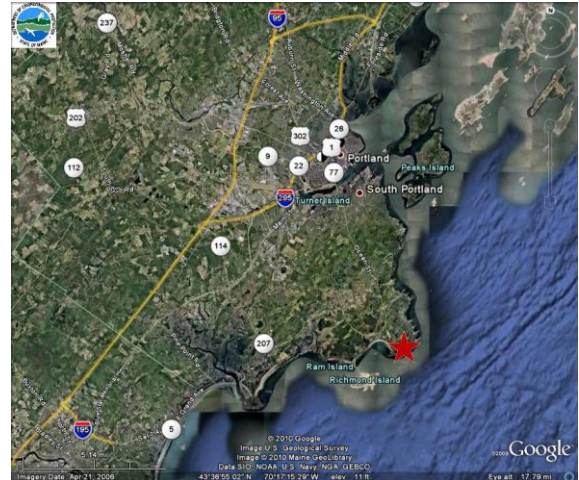
Long-term tracking of deposition in the western mountain area of the state.

Planned changes for 2016:

The EPA has been conducting an assessment of the IMPROVE protocol sites and has initially slated Bridgton for defunding by January 2016. The Department is working with EPA in this process.

Town – Site: **Cape Elizabeth**
 County: **Cumberland**
 Address: **Two Lights State Park**
 AQS Site ID: **23-005-2003**
 Spatial Scale: **Regional**
 Statistical Area: **Portland-South Portland-Biddeford, ME**

Latitude: **43.5610**
 Longitude: **-70.2073**
 Elevation: **24 meters**
 Year Established: **1981**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 1-1-1999 | 12-17-2002 | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 1-1-1981 | |
| PM2.5 TEOM | | | NO _x | 6-9-1993 | 10-31-1995 |
| PM2.5 BAM | | | NO _y | 6-26-1995 | |
| PM10 FRM | | | VOCs (PAMS) | 6-1-1993 | |
| PM10 Colo | | | HAPs | 12-6-2013 | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 6-25-1985 | |
| IMPROVE | | | Outdoor Temperature | 6-7-1994 | |
| Cont. OC/EC | | | Bar. Pressure | 6-7-1994 | |
| Cont. Sulfate | | | Relative Humidity | 6-7-1994 | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | 6-7-1994 | |
| CO | 5-1-2001 | 10-1-2007 | UV-b Radiation | 6-1-1995 | |

Site Description:

Site is located in an open elevated area in the Two Lights State Park in Cape Elizabeth. A single large new shelter was installed in 2009, replacing two smaller shelters. The site was located to pick up the plumes entering Maine from the urban areas to the southwest. With the exception of the meteorological parameters, this site is normally operated during the ozone season only.

Monitoring Objectives:

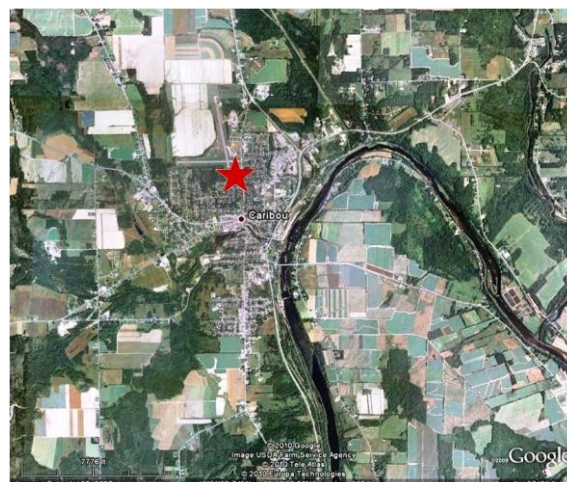
The site is located to pick up long-range transport of pollutants into the state.

Planned changes for 2016:

None planned

Town – Site: **Caribou – Caribou Airport**
 County: **Aroostook**
 Address: **Caribou Airport**
 AQS Site ID: **23-003-1002**
 Spatial Scale: **Regional**
 Statistical Area: **None**

Latitude: **46.8683**
 Longitude: **-67.9931**
 Elevation: **191 meters**
 Year Established: **1982**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | 1-1-1982 | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | 1-1-1982 | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Site is located in a grassy area inside the fence and off the south end of the runway.

Monitoring Objectives:

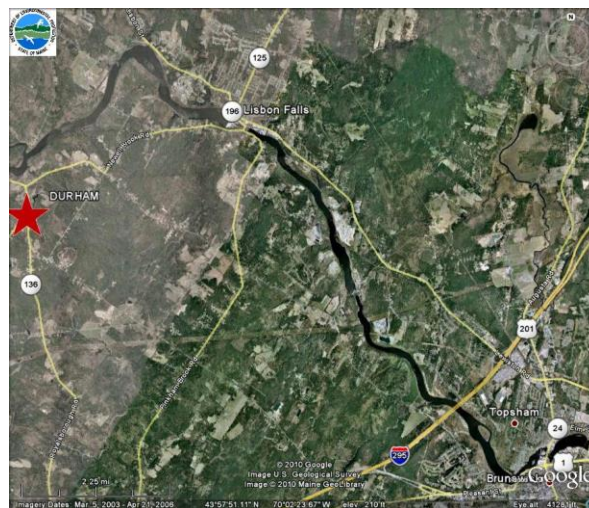
Long-term monitoring of wet deposition chemistry and precipitation amount in northern Maine

Planned changes for 2016:

None planned

Town – Site: **Durham – Fire Station**
 County: **Androscoggin**
 Address: **Route 9**
 AQS Site ID: **23-001-0014**
 Spatial Scale: **Regional**
 Statistical Area: **Lewiston-Auburn, ME**

Latitude: **43.9745**
 Longitude: **-70.1249**
 Elevation: **50 meters**
 Year Established: **2004**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 04/01/2004 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located on the grounds of the Durham Fire Station, 9 ½ miles SE of Lewiston. An ozone monitor is located within an 8'x8'x8' environmentally controlled shelter. The shelter was installed in 2006. During the summers of 2004 and 2005, an ozone monitor was set up temporarily in a corner of the fire station with a probe attached to the roof edge to determine if the location warranted continued monitoring.

Monitoring Objectives:

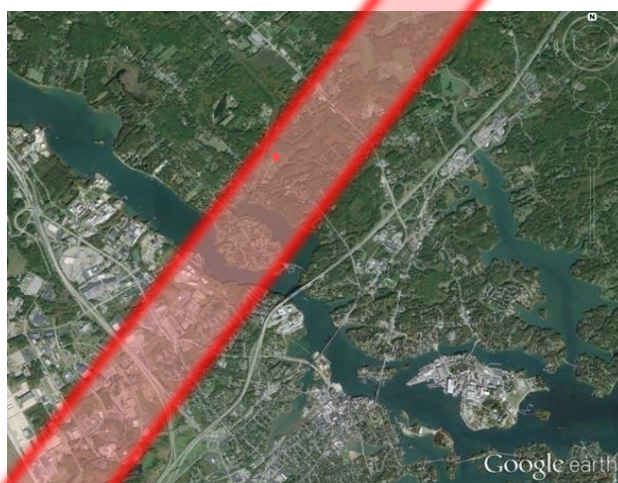
Regional transport of ozone.

Planned changes for 2016:

None planned

Town – Site: **Eliot – Sawgrass Lane Cul-de-sac**
 County: **York**
 Address: **88 Sawgrass Lane Cul-de-sac**
 AQS Site ID: **23-031-0009**
 Spatial Scale: **Neighborhood**
 Statistical Area: **None**

Latitude: **43.111364**
 Longitude: **-70.769730**
 Elevation: **13 Meters**
 Year Established: **2014**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | 10-24-2014 | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 10-24-2014 | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Monitors are located in an 8'x12'x8' shelter in an open cul-de-sac at the end of Sawgrass Lane in Eliot, Maine. The SO₂ analyzer, from ME DEP inventory, is operated by New Hampshire DES staff, and audited by ME DEP. Maine DEP reports hourly values to various web pages.

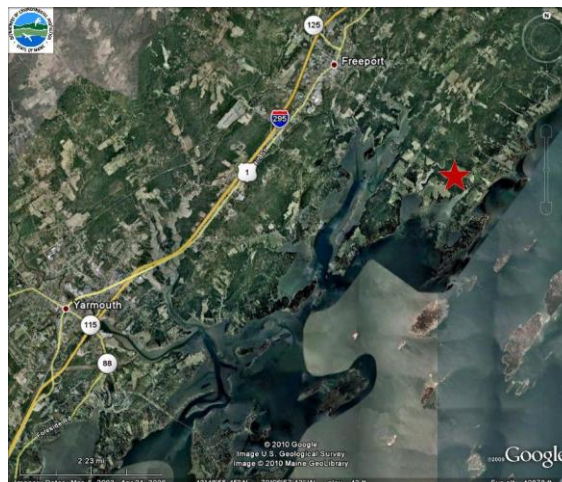
Monitoring Objectives:

Monitoring at this location was established in response to a lawsuit against the EPA by the citizens of Eliot, Maine over suspected impacts of high SO₂ emissions from coal fired power plants located in New Hampshire, directly across the Piscataqua River from Eliot.

Planned changes for 2016:

Site was expected to run for one year, so it is scheduled for removal in October/November 2015.

Town – Site: **Freeport – Wolfes Neck Farm**
 County: **Cumberland** Latitude: **43.8325**
 Address: **Wolfe's Neck Road** Longitude: **-70.0644**
 AQS Site ID: **23-005-9002** Elevation: **27 Meters**
 Spatial Scale: **Regional/Neighborhood** Year Established: **1998**
 Statistical Area: **Portland-South Portland-Biddeford, ME**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | 1-7-1998 | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | 1-7-1998 | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | 3/14/2001 | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | 1-7-1998 | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Site is located within a fenced in area in the middle of a large open field used as a pasture by the Wolfe's Neck farm.

Monitoring Objectives:

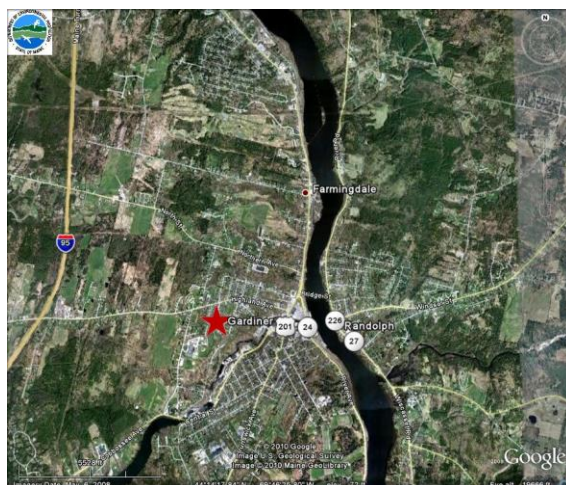
Site designed to monitor the long-range transport of pollutants on a regional scale.

Planned changes for 2016:

The EPA has been conducting an assessment of the IMPROVE protocol sites and has initially slated Bridgeton for defunding by January 2016. The Department is working with EPA in this process.

Town – Site: **Gardiner – Pray Street, Schoolyard**
 County: **Kennebec**
 Address: **Pray Street**
 AQS Site ID: **23-011-2005**
 Spatial Scale: **Regional**
 Statistical Area: **Augusta-Waterville, ME**

Latitude: **44.2306**
 Longitude: **-69.7850**
 Elevation: **55 Meters**
 Year Established: **1991**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | 03/07/2012 | |
| PM2.5 Colo | | | Ozone | 04/01/1991 | |
| PM2.5 TEOM | | | NOx | 03/07/2012 | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located on the north edge of the Gardiner Area High School grounds. The Pray Street Elementary School next door at 14 Pray Street has closed and is now housing a Boys and Girls Club. Monitors are housed in an 8'x8'x8' environmentally controlled shelter, situated outside the fence line of the playing fields. The shelter was replaced in 2006.

Monitoring Objectives:

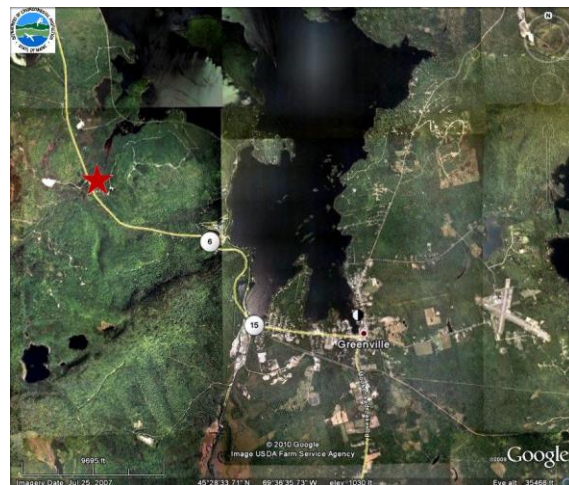
Regional transport

Planned changes for 2016:

None planned

Town – Site: **Greenville**
 County: **Piscataquis**
 Address: **Squaw Brook**
 AQS Site ID: **23-021-0001**
 Spatial Scale: **Regional**
 Statistical Area: **None**

Latitude: **45.4893**
 Longitude: **-69.6637**
 Elevation: **339 Meters**
 Year Established: **1980**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | 1997 | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | 1980 | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | 1980 | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Site is located in a small clearing on private property to the northwest of Greenville Junction. This is one of the oldest deposition monitoring sites in the country.

Monitoring Objectives:

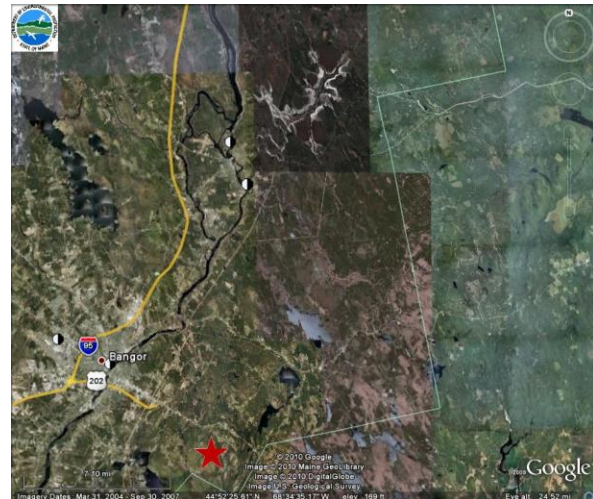
Measure the chemistry of the rain and snowfall in this area of the state.

Planned changes for 2016:

None planned

Town – Site: **Holden**
 County: **Penobscot**
 Address: **Summit of Rider’s Bluff**
 AQS Site ID: **23-019-4008**
 Spatial Scale: **Regional**
 Statistical Area: **Bangor, ME**

Latitude: **44.7365**
 Longitude: **-68.6711**
 Elevation: **250 Meters**
 Year Established: **1993**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 5-19-1993 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Site is a transmission tower location for a local TV station at the top of a hill in Holden with good exposure in all directions.

Monitoring Objectives:

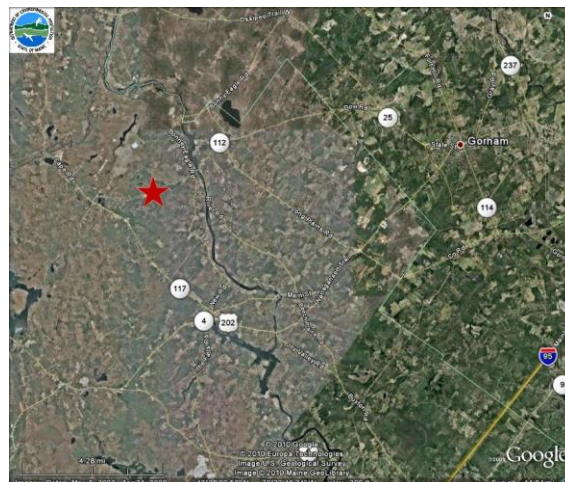
Monitor was located to pick up transport of ozone into the Penobscot County area and to measure maximum impacts in this area.

Planned changes for 2016:

None planned

Town – Site: **Hollis/West Buxton – Fire Department**
 County: **York**
 Address: **Plains Road**
 AQS Site ID: **23-031-0038**
 Spatial Scale: **Regional**
 Statistical Area: **Portland-South Portland-Biddeford, ME**

Latitude: **43.6568**
 Longitude: **-70.6291**
 Elevation: **84 Meters**
 Year Established: **1999**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 4-1-1999 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Monitor is located in an 8x8x8 shelter in an open area around the West Buxton Fire Department building.

Monitoring Objectives:

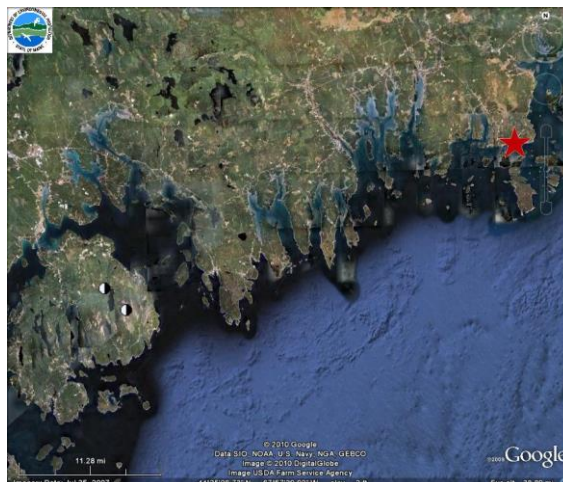
Monitoring location was selected to define the inland extent of the non-attainment area in the southern coastal area of Maine.

Planned changes for 2016:

None planned

Town – Site: **Jonesport – Public Landing**
 County: **Washington**
 Address: **Public Landing**
 AQS Site ID: **23-029-0019**
 Spatial Scale: **Regional**
 Statistical Area: **None**

Latitude: **44.5319**
 Longitude: **-67.5959**
 Elevation: **16 Meters**
 Year Established: **1989**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 5-19-1989 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Monitor is located in a town building at the Public Landing in Jonesport.

Monitoring Objectives:

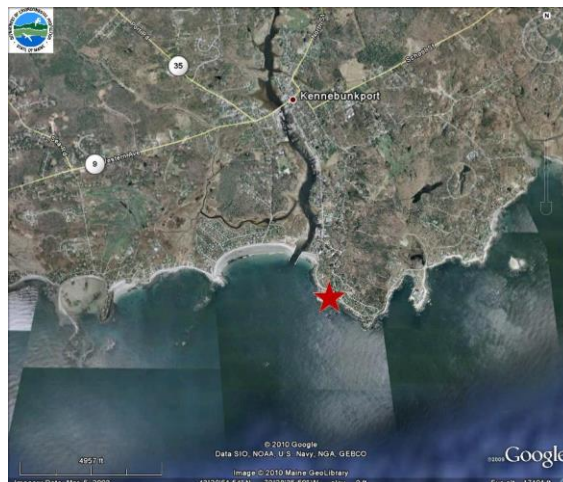
Monitor sited to obtain maximum concentrations in the coastal area of Washington County.

Planned changes for 2016:

None planned

Town – Site: **Kennebunkport – Parson’s Way**
 County: **York**
 Address: **Ocean Avenue**
 AQS Site ID: **23-031-2002**
 Spatial Scale: **Regional**
 Statistical Area: **Portland-South Portland-Biddeford, ME**

Latitude: **43.3431**
 Longitude: **-70.4714**
 Elevation: **6 Meters**
 Year Established: **1983**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 1-1-1983 | |
| PM2.5 TEOM | | | NOx | 6-1-1990 | 9-1-1990 |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Site is located on a rocky beach area just off Ocean Avenue. Site has good exposure and has recorded some of the highest ozone concentrations in the state. The shelter, including the power and phone line, has to be removed each fall and re-installed each spring to avoid winter storm damage.

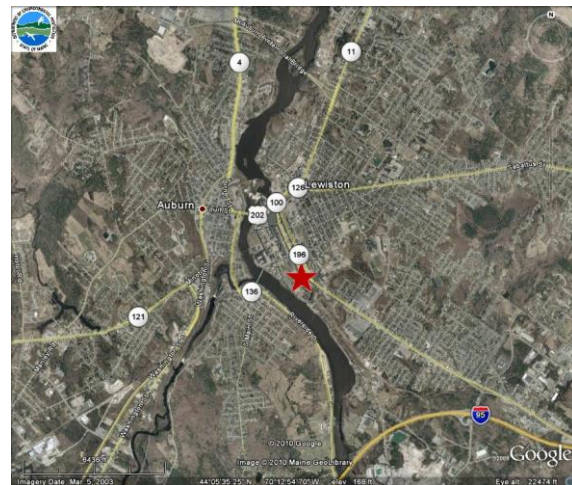
Monitoring Objectives:

Monitor was located to measure maximum impacts in the southern coastal area.

Planned changes for 2016:

None planned

Town – Site: **Lewiston – Country Kitchen Parking Lot**
 County: **Androscoggin** Latitude: **44.0894**
 Address: **Canal Street** Longitude: **-70.2141**
 AQS Site ID: **23-001-0011** Elevation: **50 meters**
 Spatial Scale: **Neighborhood** Year Established: **1981**
 Statistical Area: **Lewiston-Auburn ME**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|-------------------------|------------|------------|
| PM2.5 FRM | 01/01/1999 | | SO ₂ | 07/13/1998 | 12/30/2002 |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | 01/01/2000 | 09/12/2013 | NO _x | | |
| PM2.5 BAM | 09/12/2013 | | NO _y | | |
| PM10 FRM | 04/01/2004 | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | 06/14/2004 | |
| PM10 TEOM | | | Mercury Deposition | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | 06/01/1989 | 12/31/1993 | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located in downtown Lewiston in the parking lot of the Country Kitchen Bakery. An 8'x8'x8' shelter houses electronic monitoring equipment, data acquisition system and modem, in a climate controlled environment, with PM monitors and intakes situated on the roof.

Monitoring Objectives:

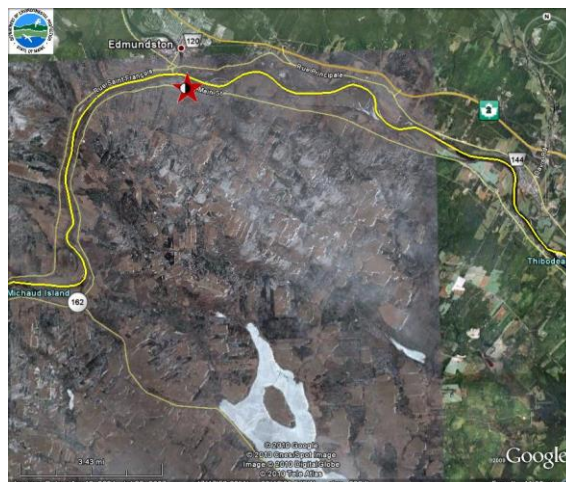
Population exposure

Planned changes for 2016:

Once the FEM PM_{2.5} BAM has a proven track record, the sampling schedule for the FRM PM_{2.5} may be reduced to 1 day in 6.

Town – Site: **Madawaska – Public Safety Bldg.**
 County: **Aroostook**
 Address: **East Maine St.**
 AQS Site ID: **23-003-0014**
 Spatial Scale: **Neighborhood**
 Statistical Area: **None**

Latitude: **47.3553**
 Longitude: **-68.3211**
 Elevation: **177 meters**
 Year Established: **2009**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|-------------------------|------------|------------|
| PM2.5 FRM | 8-1-2009 | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | 1-17-2014 | | NOy | | |
| PM10 FRM | 8-1-2009 | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Mercury Deposition | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

New site established in 2009 to replace the Tang's Palace site, which was no longer available for use after June, 2009.

Monitoring Objectives:

High population exposure and maximum concentrations for the Madawaska area

Planned changes for 2016:

Once the FEM PM_{2.5} BAM has a proven track record, the sampling schedule for the FRM PM_{2.5} may be reduced to 1 day in 6.

Town - Site: **North Lovell – DOT Garage**
 County: **Oxford**
 Address: **Route 5**
 AQS Site ID: **23-017-3001**
 Spatial Scale: **Regional**
 Statistical Area: **None**

Latitude: **44.2509**
 Longitude: **-70.8606**
 Elevation: **213 Meters**
 Year Established: **1998**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 5-6-1992 | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip. Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Monitor is located in an office section of a garage belonging to the Department of Transportation. Building is in a small cleared area surrounded by woods.

Monitoring Objectives:

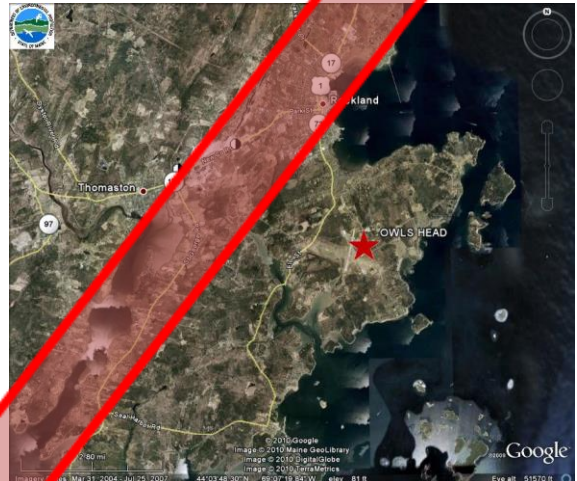
The site is located to get maximum concentrations in the western mountain area of Maine.

Planned changes for 2016:

None planned

Town – Site: **Owls Head – Municipal Airport**
 County: **Knox**
 Address: **1 Airport Rd.**
 AQS Site ID: **23-013-0014**
 Spatial Scale: **Regional**
 Statistical Area: **Rockland, ME**

Latitude: **44.0627**
 Longitude: **-69.0934**
 Elevation: **15 Meters**
 Year Established: **2002**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 03/01/2002 | |
| IMPROVE | | | Outdoor Temperature | 03/01/2002 | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located on the grounds of the Knox County Regional Airport, 2.9 miles south southeast of downtown Rockland. Wind speed and direction sensors are mounted on a 10-meter retractable tower located on the roof of a maintenance equipment shed. A data acquisition system and modem are located in an 8'x8'x8' monitoring shelter between the shed and an office trailer to the east. An outdoor temperature sensor is mounted at the roof line of the monitoring shelter.

Monitoring Objectives:

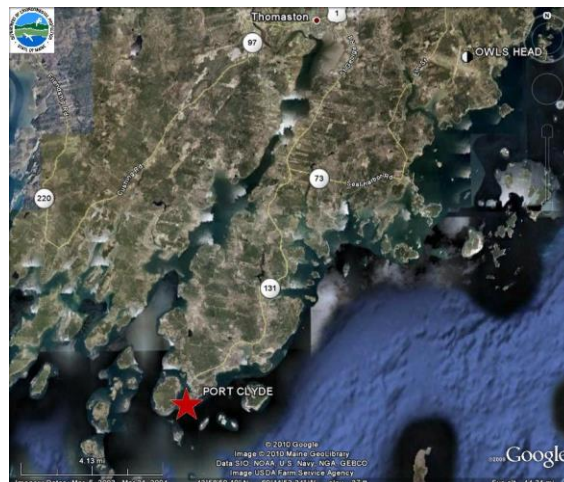
Hourly averaged wind speed and wind direction, combined with other climatological data obtained from the NOAA National Weather Service, are useful in modeling trajectories of air masses.

Planned changes for 2016:

Airport management is planning on demolishing the maintenance shed and replacing it with a building without a flat roof. This will necessitate relocating the tower to some other site within the airport property.

Town – Site: **Port Clyde – Marshall Point Lighthouse**
 County: **Knox**
 Address: **Marshall Point Road**
 AQS Site ID: **23-013-0004**
 Spatial Scale: **Regional**
 Statistical Area: **Rockland, ME**

Latitude: **43.9180**
 Longitude: **-69.2608**
 Elevation: **9 Meters**
 Year Established: **1987**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 05/01/1987 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located at Marshall Point on the grounds of the Marshall Point Lighthouse Museum about 14.8 miles southwest of downtown Rockland. An 8'x8'x'8 environmentally controlled shelter houses the monitor, data acquisition equipment and modem.

Monitoring Objectives:

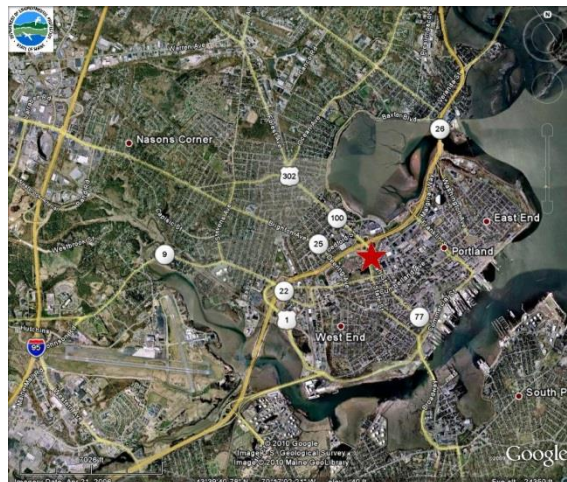
SLAMS – State and Local Air Monitoring Site

Planned changes for 2016:

None planned

Town – Site: **Portland – Deering Oaks Park**
 County: **Cumberland**
 Address: **356 State St.**
 AQS Site ID: **23-005-0029**
 Spatial Scale: **Neighborhood**
 Statistical Area: **Portland-South Portland-Biddeford, ME**

Latitude: **43.6602**
 Longitude: **-70.2690**
 Elevation: **4 meters**
 Year Established: **2008**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 1-22-2008 | | SO ₂ | 1-24-2008 | |
| PM2.5 Colo | 1-31-2008 | | Ozone | 1-18-2008 | |
| PM2.5 TEOM | 1-18-2008 | 6-30-2015 | NO _x | 2-5-2008 | |
| PM2.5 BAM | 5-7-2013 | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | 3-14-2009 | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | 5-1-2008 | | UV-b Radiation | | |

Site Description:

The Deering Oaks site was established in 2008 to replace the Marginal Way site, which had to be removed to make way for development activity. The site is located in a grassy area of the park near the intersection of Forest Avenue and State Street and close to an off ramp from I-295. To the west of the site is a wooded area of the park as well as numerous athletic fields. Annual Average Daily Traffic volume on Forest Avenue is around 46,000. EPA also uses the site for a monitor in their radiation network, RadNet.

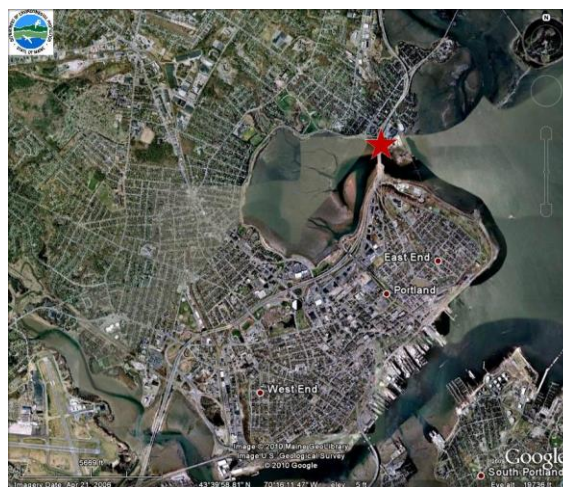
Monitoring Objectives:

The site was located on the Portland Peninsula to monitor for maximum impacts in a neighborhood area. The ozone monitor is a special purpose monitor installed for the Bureau of Health and is considered a non-regulatory monitor.

Planned changes for 2016:

The PM_{2.5} TEOM sampler was shut down on June 30th, 2015. It ran for one year with the FEM PM_{2.5} BAM for comparison. With the continuous BAM in place, the FRM PM_{2.5} sampling schedule was reduced to 1 day in 6 as of July 1st, 2015.

Town – Site: **Portland – Tukey’s Bridge**
 County: **Cumberland** Latitude: **43.6780**
 Address: **Tukey’s Bridge (Route 295)** Longitude: **-70.2562**
 AQS Site ID: **23-005-0015** Elevation: **6 meters**
 Spatial Scale: **Middle/Micro** Year Established: **1981**
 Statistical Area: **Portland-South Portland-Biddeford, ME**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 1-1-1999 | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | 2-8-1991 | | VOCs (PAMS) | | |
| PM10 Colo | 1-9-2003 | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Monitors are located on a platform next to I-295/Washington Street. This section of road has some of the highest annual average daily traffic volume in the state.

Monitoring Objectives:

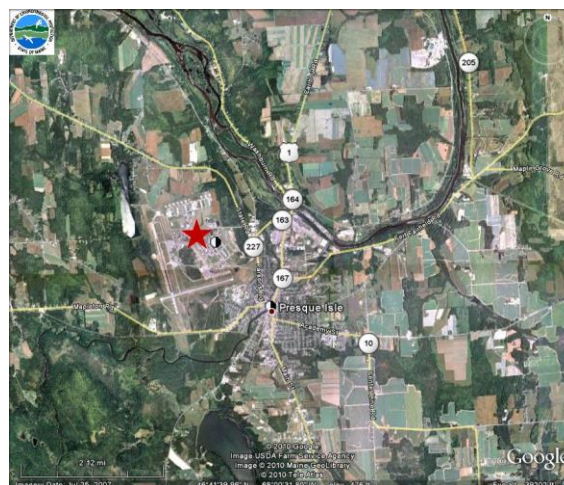
Monitors were located at this site for maximum concentrations and high traffic volume.

Planned changes for 2016:

Refurbishment of the monitoring platform is scheduled for the summer/fall of 2015.

Town – Site: **Presque Isle – DEP Regional Office**
 County: **Aroostook**
 Address: **528 Central Drive**
 AQS Site ID: **23-003-1008**
 Spatial Scale: **Neighborhood**
 Statistical Area: **None**

Latitude: **46.6984**
 Longitude: **-68.0389**
 Elevation: **158 meters**
 Year Established: **1983**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 9-27-2007 | | SO ₂ | 8-1-1988 | 9-21-1989 |
| PM2.5 Colo | | | Ozone | 8-1-1988 | 9-21-1989 |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | 7-1-1989 | 9-27-2007 | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 2-13-1983 | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Suburban background site for monitoring PM and wind. Monitors are located in a field next to the regional office in Presque Isle.

Monitoring Objectives:

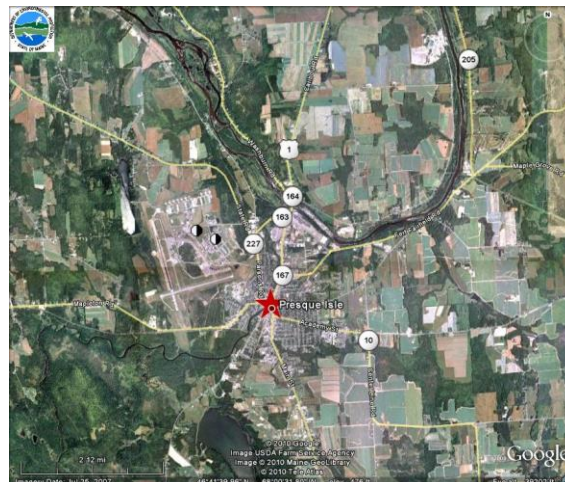
Background concentrations of PM for the Presque Isle area and meteorological data for analysis of pollutant data.

Planned changes for 2016:

None planned

Town – Site: **Presque Isle – Riverside Shelter**
 County: **Aroostook**
 Address: **Riverside Street**
 AQS Site ID: **23-003-1011**
 Spatial Scale: **Neighborhood**
 Statistical Area: **None**

Latitude: **46.6823**
 Longitude: **-68.0156**
 Elevation: **131 meters**
 Year Established: **1993**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 10-1-1997 | | SO ₂ | 9-19-1994 | 7-2-1996 |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | 7-18-2014 | | NOy | | |
| PM10 FRM | 9-10-1993 | 11-2-1998 | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | 12-14-03 | |
| PM10 TEOM | 9-15-1995 | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Monitors are located in a parking lot off Main Street in the downtown area of Presque Isle. The site is relatively open, next to the railroad tracks and the Presque Isle Stream.

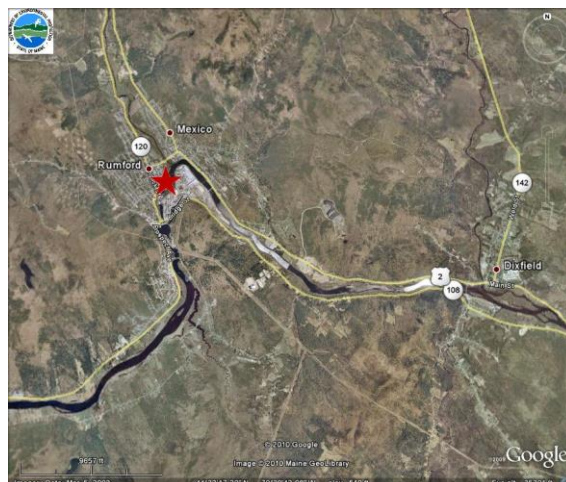
Monitoring Objectives:

Neighborhood scale monitor. The primary purpose was to locate the continuous PM₁₀ monitor in the non-attainment area to provide data for determining whether control activity was needed to keep PM₁₀ concentrations from exceeding the 24-hour standard. The continuous PM_{2.5} BAM will provide information critical to AQI forecasting.

Planned changes for 2016:

Once the FEM PM_{2.5} BAM has a proven track record, the sampling schedule for the FRM PM_{2.5} may be reduced to 1 day in 6.

Town – Site: **Rumford – Rumford Ave. Parking Lot**
 County: **Oxford** Latitude: **44.5514**
 Address: **Rumford Ave. Parking Lot** Longitude: **-70.5463**
 AQS Site ID: **23-017-2011** Elevation: **135 Meters**
 Spatial Scale: **Neighborhood** Year Established: **1998**
 Statistical Area: **None**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | 12/01/1998 | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | 10/1/2014 | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | 07/01/1998 | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

The site is located in a paper mill employees' parking lot off of Rumford Avenue in Rumford, Maine across the street from the Eagles Club and Bingo Parlor. An 8'x8'x8' environmentally controlled shelter houses HAPs sampling equipment, data acquisition system, and a BAM 1020 for continuous PM_{2.5} sampling. A Thermo 2025 PM_{2.5} sampler is located on the roof of the shelter.

Monitoring Objectives:

Population exposure and AQI forecasting. The Thermo 2025 PM_{2.5} monitor is set for a 1 day in 3 sampling schedule during the fall and winter seasons to better capture air-mass inversions in the valley. For the remainder of the year the sampler runs on a 1 day in 6 schedule.

Planned changes for 2016:

A Met One PM_{2.5} BAM 1020 was installed in 2014. Once the FEM PM_{2.5} BAM has a proven track record, the sampling schedule for the FRM PM_{2.5} may be reduced to 1 day in 6 for the entire year.

Town – Site: **Shapleigh -- Shapleigh Ball Park**
 County: **York**
 Address: **Route 11**
 AQS Site ID: **23-031-0040**
 Spatial Scale: **Regional**
 Statistical Area: **Portland-South Portland-Biddeford, ME**

Latitude: **43.5889**
 Longitude: **-70.8773**
 Elevation: **171 Meters**
 Year Established: **2008**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 6-13-2008 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Site is located in an open field area surrounding a baseball field just off Route 11.

Monitoring Objectives:

Maximum impact area from transport and the precursors generated in southern New Hampshire.

Planned changes for 2016:

None planned

TRIBAL MONITORING SITES
FOR 2016

Tribe – Site Name: **Micmac Tribe -- Presque Isle Shelter**

County: **Aroostook**

Latitude: **46.6964**

Address: **8 Northern Road**

Longitude: **-68.0330**

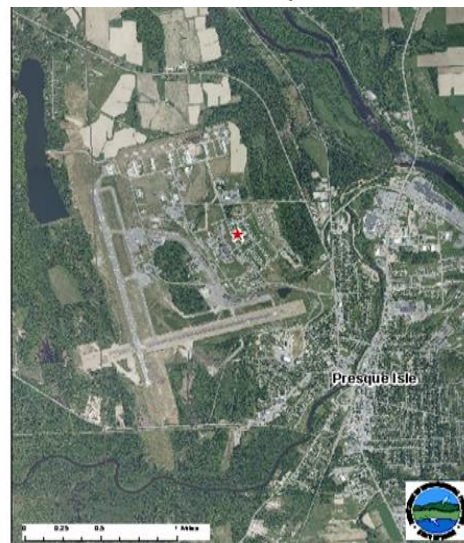
AQS Site ID: **23-003-1100**

Elevation: **165 meters**

Spatial Scale: **Neighborhood**

Year Established: **2004**

Statistical Area: **None**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | 1-1-2006 | |
| PM2.5 Colo | | | Ozone | 1-1-2006 | |
| PM2.5 TEOM | 1-1-2006 | | NOx | 1-1-2006 | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | 3-1-2014 | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 1-1-2006 | |
| IMPROVE | 1-1-2004 | | Outdoor Temperature | 1-1-2006 | |
| Cont. OC/EC | | | Bar. Pressure | 1-1-2006 | |
| Cont. Sulfate | | | Relative Humidity | 1-1-2006 | |
| Black Carbon | | | Dewpoint | 1-1-2006 | |
| Cont. PAH | | | Precipitation Amount | | |
| Lead | | | Solar Radiation | 1-1-2006 | |
| CO | 1-1-2006 | | UV-b Radiation | | |

Site Description:

The Aroostook Band of Micmacs ambient air monitor site continuously monitors ozone, PM_{2.5}, carbon monoxide, sulfur dioxide, nitrogen dioxide, carbon dioxide, mercury, and meteorological parameters in Presque Isle, ME. The equipment is audited by Maine DEP.

Monitoring Objectives:

Not available

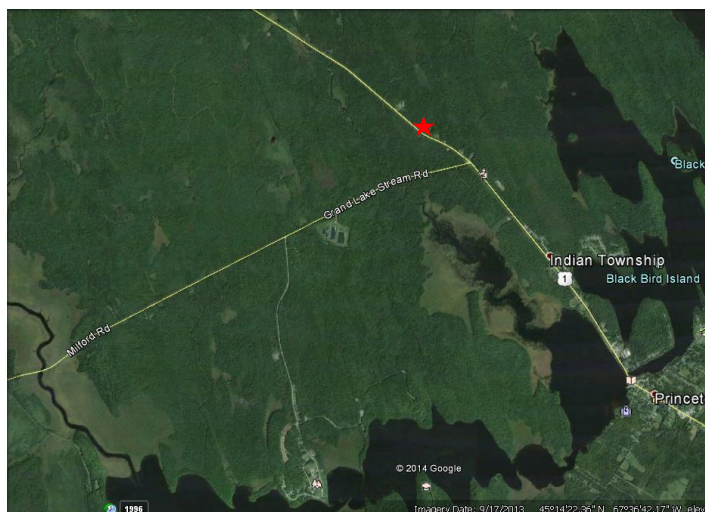
Planned changes for 2016:

Not available

Tribe – Site Name: **Passamaquoddy Tribe -- Indian Township**
 County: **Washington** Latitude: **45.2436**
 Address: **Indian Township** Longitude: **-67.6308**
 AQS Site ID: **None** Elevation: **101 meters**
 Spatial Scale: **N/A** Year Established: **2013**
 Statistical Area: **None**



No Photo Available



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | | |
| PM2.5 TEOM | | | NO _x | | |
| PM2.5 BAM | | | NO _y | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | 10-3-2013 | |
| PM Coarse | | | Wind Direction/Speed | | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | | |
| Cont. Sulfate | | | Relative Humidity | | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | 10-3-2013 | |
| Lead | | | Solar Radiation | | |
| CO | | | UV-b Radiation | | |

Site Description:

Not available

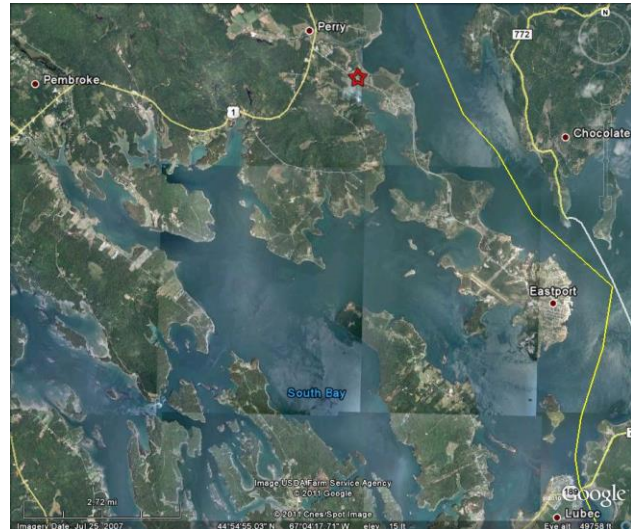
Monitoring Objectives:

Not available

Planned changes for 2016:

As more information about this NADP/NDN site in Maine becomes available, this page will be updated.

Tribe – Site Name: **Passamaquoddy Tribe– Perry, Pleasant Point/Sipiyak**
 County: **Washington**
 Address: **184 County Road** Longitude: **44.9630**
 AQS Site ID: **23-029-0032** Elevation: **-67.0592**
 Spatial Scale: **Regional** Year Established: **4 meters**
 Statistical Area: **None** Year Established: **2006**



Pollutant and Meteorological Parameters:

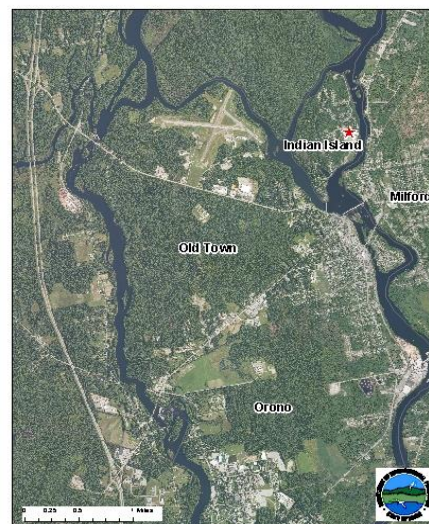
| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 3-31-2006 | |
| PM2.5 TEOM | 12-18-2008 | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 4-20-2005 | |
| IMPROVE | | | Outdoor Temperature | | |
| Cont. OC/EC | | | Bar. Pressure | 4-25-2005 | |
| Cont. Sulfate | | | Relative Humidity | 4-22-2005 | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | 4-27-2008 | |
| Lead | | | Solar Radiation | 6-16-2005 | |
| CO | | | UV-b Radiation | 6-16-2005 | |

Site Description: The site was needed because area monitoring was going to be shut down on the Canadian and American side. Pleasant Point decided to handle the criteria pollutants and running a MET station. Indian Township was going to take on the acid and mercury deposition studies. The Passamaquoddy Tribe wanted to start contributing to the monitoring. The data are polled and used by ME DEP BAQ. The ozone and PM_{2.5} instruments are audited by ME DEP on a quarterly basis. Only the ozone hourly data is uploaded into AQS. The met data is shared with the TREX network and posted on their website.

Monitoring Objectives: The site is to provide pollutant data for modeling and forecasting needs. The site fills a void in the region. Otherwise, there would be a data gap in the area.

Planned changes for 2016: The tribal air program is open to monitoring for other pollutants if resources are available. The air program would like to eventually use newer equipment if available.

Tribe – Site Name: **Penobscot Nation -- Indian Island**
 County: **Penobscot** Latitude: **44.95204**
 Address: **27 Wabanaki Way** Longitude: **-68.64768**
 AQS Site ID: **23-019-1100** Elevation: **41 meters**
 Spatial Scale: **Regional** Year Established: **2006**
 Statistical Area: **None**



Pollutant and Meteorological Parameters:

| Parameter | Date Began | Date Ended | Parameter | Date Began | Date Ended |
|---------------|------------|------------|--------------------------|------------|------------|
| PM2.5 FRM | | | SO ₂ | | |
| PM2.5 Colo | | | Ozone | 1-1-2006 | |
| PM2.5 TEOM | | | NOx | | |
| PM2.5 BAM | | | NOy | | |
| PM10 FRM | | | VOCs (PAMS) | | |
| PM10 Colo | | | HAPs | | |
| PM10 TEOM | | | Wet Deposition - Mercury | | |
| PM10 BAM | | | Wet Dep. - Precip Chem. | | |
| PM Coarse | | | Wind Direction/Speed | 7-2002 | |
| IMPROVE | 1-14-2006 | | Outdoor Temperature | 7-2002 | |
| Cont. OC/EC | | | Bar. Pressure | 7-2002 | |
| Cont. Sulfate | | | Relative Humidity | 7-2002 | |
| Black Carbon | | | Dewpoint | | |
| Cont. PAH | | | Precipitation Amount | 7-2002 | |
| Lead | | | Solar Radiation | 7-2002 | |
| CO | | | UV-b Radiation | | |

Site Description: The original IMPROVE Site location, established on 6/27/2001, was located near the Marsh Island Apartments. That location was shut down on 5/29/2006 having been made redundant after 1/14/2006 when the current IMPROVE site was established on Indian Island.

Monitoring Objectives:
 Not available

Planned changes for 2016:
 Not available